## XP-002152778

EMBL:D84223

```
D84223
ID
                 standard; .
                                HUM: 4248 BP.
XX
                                                            PD 15:05-2000
AC
     D84223;
XX
sv
     D84223.1
XX
DT
     15-MAY-2000 (Rel. 63, Created)
     15-MAY-2000 (Rel. 63, Last updated, Version 1)
DT
XX
     Homo sapiens mRNA for leucyl tRNA synthetase, complete cds.
DE
XX
KW
XX
os
     Homo sapiens (human)
     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
OC
OC
     Eutheria; Primates; Catarrhini; Hominidae; Homo.
XX
     [ 1]
FN
     1-4248
PP
FΑ
     Motegi H.;
₽T
     Submitted (26-MAR-1996) to the EMBL/GenBank/DDBJ databases.
PL
     Hiromi Motegi, Cancer Institute, Department of Cell Biology; 1-37-1
RL
PL
     kami-Ikebukuro, Toshima, Tokyo 170, Japan
     (E-mail:hmotegi@postman.riken.go.jp, Tel:03-3918-0111, Fax:03-5394-3903)
RL
ХX
RN
     [ 2]
RA
     Motegi H., Noda T., Shiba K.;
     "Cloning and sequence determination of a human cytoplasmic leucyl-tRNA s
RT
RT
     ynthetase gene";
RL
     Unpublished.
XX
FΗ
     Key
                     Location/Qualifiers
FH
                     1..4248
FΤ
     source
                     /db xref="taxon:9606"
FT
FT
                     /sequenced mol="cDNA to mRNA"
                     /organism="Homo sapiens"
FT
FT
                     /tissue_type="brain"
FT
     CDS
                     73..3603
FT
                     /codon_start=1
FT
                     /transl table=1
FT
                     /product="leucyl tRNA synthetase"
                     /protein_id="BAA95667.1"
FT
                      translation="MAERKGTAKVDFLKKIEKEIQQKWDTERVFEVNASNLEKQTSKGK/
FT
FT
                     YFVTFPYPYMNGRLHLGHTFSLSKCEFAVGYQRLKGKCCLFPFGLHCTGMPIKACADKL
                     KREIELYGCPPDFPDEEEEEEETSVKTEDIIIKDKAKGKKSKAAAKAGSSKYQWGIMKS
FT
FT
                     LGLSDEEIVKFSEAEHWLDYFPPLAIQDLKRMGLKVDWRRSFITTDVNPYYDSFVRWQF
FT
                     LTLRERNKIKFGKRYTIYSPKDGQPCMDHDRQTGEGVGPQEYTLLKLKALEPYPSKLSG
                     \verb|LKGKNIFLVAATLRPETMFGQTNCWVRPDMKYIGFETVNGDIFICTQKAARNMSYQGFT|
FT
                     KDNGVVPVVKELMGEEILGASLSAPLTSYKVIYVLPMLTIKEDKGTGVVTSVPSDSPDD
FT
                     IAALRDLKKKQALRAKYGIRDDMVLPFEPVPVIEIPGFGNLSAVTICDELKIQSQNDRE
FT
FT
                     KLAEAKEKIYLKGFYEGIMLVDGFKGQKVQDVKKTIQKKMIDAGDALIYMEPEKQVMSR
FT
                     SSDECVVALCDQWYLDYGEENWKKQTSQCLKNLETFCEETRRNFEATLGWLQEHACSRT
                     YGLGTHLPWDEQWLIESLSDSTIYMAFYTVAHLLQGGNLHGQAESPLGIRPQQMTKEVW
FT
FT
                     DYVFFKEAPFPKTQIAKEKLDQLKQEFEFWYPVDLRVSGKDLVPNHLSYYLYNHVAMWP
FT
                     EOSDKWPTAVRANGHLLLNSEKMSKSTGNFLTLTQAIDKFSADGMRLALADAGDTVEDA
                     NFVEAMADAGILRLYTWVEWVKEMVANWDSLRSGPASTFNDRVFASELNAGIIKTDQNY
FT
                     EKMMFKEALKTGFFEFQAAKDKYRELAVEGMHRELVFRFIEVQTLLLAPFCPHLCEHIW
FT
                     TLLGKPDSIMNASWPVAGPVDEVLIHSSQYLMEVTHDLRLRLKNYMMPAKGKKTDKQPL
FT
                     QKPSHCT1YVAKNYPPWQHTTLSVLRKHFEANNGKLPDNKV1ASELGSMPELKKYMFKV
FT
FT
                     MPFVAMIKENLEKMGPRILDLQLEFDEKAVLMENIVYLTNSLELEHIEVKFASEAEDKI
```

XX

1

XX							
SQ	Sequence 42	248 BP; 131	1 A; 760 C;	961 G; 121	6 T; 0 othe	r;	
	aaaggtaacc	actcctttgt	ggaggtcgcc	agggtcattg	tcgtggattt	gcacagtcgg	60
	ctgggcggtg	caatggcgga	aagaaaagga	acagccaaag	tggacttttt	gaagaagatt	120
	gagaaagaaa	tccaacagaa	atgggatact	gagagagtgt	ttgaggtcaa	tgcatctaat	180
	ttagagaaac	agaccagcaa	gggcaagtat	tttgtaacct	tcccatatcc	atatatgaat	240
	ggacgccttc	atttgggaca	cacgttttct	ttatccaaat	gtgagtttgc	tgtagggtac	300
	cagcgattga	aaggaaaatg	ttgtctgttt	ccctttggcc	tgcactgtac	tggaatgcct	360
	attaaggcat	gtgctgataa	gttgaaaaga	gaaatagagc	tgtatggttg	cccccctgat	420
	tttccagatg	aagaagagga	agaggaagaa	accagtgtta	aaacagaaga	tataataatt	480
	aaggataaag	ctaaaggaaa	aaagagtaaa	gctgctgcta	aagctggatc	ttctaaatac	540
	cagtggggca	ttatgaaatc	ccttggcctg	tctgatgaag	agatagtaaa	attttctgaa	600
	gcagaacatt	ggcttgatta	tttcccgcca	ctggctattc	aggatttaaa	aagaatgggt	660
	ttgaaggtag	actggcgtcg	ttccttcatc	accactgatg	ttaatcctta	ctatgattca	720
	tttgtcagat	ggcaattttt	aacattaaga	gaaagaaaca	aaattaaatt	tgggaagcgg	780
	tatacaattt	actctccgaa	agatggacag	ccttgcatgg	atcatgatag	acaaactgga	840
	gagggtgttg	gacctcagga	atatacttta	ctcaaattga	aggcgcttga	gccataccca	900
	tctaaattaa	gtggcctgaa	aggtaaaaat	attttcttgg	tggctgctac	tctcagacct	960
	gagaccatgt	ttgggcagac	aaattgttgg	gttcgtcctg	atatgaagta	cattggattt	1020
	gagacggtga	atggtgatat	attcatctgt	acccaaaaag	cagccaggaa	tatgtcatac	1080
	cagggcttta	ccaaagacaa	tggcgtggtg	cctgttgtta	aggaattaat	gggggaggaa	1140
	attettggtg	catcactttc	tgcaccttta	acatcataca	aggtgatcta	tgttctccca	1200
	atgetaacta	ttaaggagga	taaaggcact	ggtgtggtta	caagtgttcc	ttccgactcc	1260
	ccigatgata	ttgctgccct	cagagacttg	aagaaaaagc	aagccttacg	agcaaaatat	1320
	ggaactagag	atgacatggt	cttgccattt	gagccggtgc	cagtcattga	aatcccaggt	1380
	cccggaaacc	tttctgctgt	aaccatttgt	gatgagttga	aaattcagag	ccagaatgac	1440
	cygyaaaaac	ttgcagaagc	aaaggagaag	atatatctaa	aaggatttta	tgagggtatc	1500
	acguiggingg	atggatttaa	aggacagaag	gttcaagatg	taaagaagac	tattcagaaa	1560
	addatedates	acgctggaga	tgtagetate	tatatggaac	cagagaaaca	agtgatgtcc	1620
	aggeegeeag	atgaatgtgt	atataaataa	ttanaga	ggtacttgga	ttatggagaa	1680
	accadaagga	agaaacagac	accidagege	tagatagaacc	iggaaacatt	ctgtgaggag	1740
	tatoototao	attttgaagc	accttaggt	aggeracaag	tasttasta	cccaagaact	1800
	tccactattt	gcactcacct acatggcatt	ttacacactt	gagcagcggc	tacaaaaaaa	tanattaant	1860
		agtctccgct					1920 1980
	tatattttct	tcaaggaggc	tccatttcct	aagactcaga	ttacaaaaaa	ageetgggat	2040
		aggagtttga					2100
		atcatctttc					2160
		ggcctacagc					2220
		ccacaggcaa					2280
		gtttggctct					2340
		cagatgcagg					2400
		actgggacag					2460
		aattgaatgc					2520
		ctttgaaaac					2580
		tggaagggat					2640
		ctccattctg					2700
		ttatgaatgc					2760
	cactcctcac	agtatcttat	ggaagtaaca	catgacctta	gactacgact	caagaactat	2820
		ctaaagggaa					2880
	accatctatg	tggcaaagaa	ctatccacct	tggcaacata	ccaccctgtc	tgttctacgt	2940
	aaacactttg	aggccaataa	cggaaaactg	cctgacaaca	aagtcattgc	tagtgaacta	3000
	ggcagtatgc	cagaactgaa	gaaatacatg	aagaaagtca	tgccatttgt	tgccatgatt	3060
	aaggaaaatc	tggagaagat	ggggcctcgt	attctggatt	tgcaattaga	atttgatgaa	3120
	aaggctgtgc	ttatggagaa	tatagtctat	ctgactaatt	cgcttgagct	agaacacata	3180
		ttgcctccga					3240
		tttttagaat					3300
	tccaatggcc	acttctcaac	caaaattgaa	atcaagcaag	gagataactg	tgattccata	3360
		taatgaaaat					3420
	agatttgatg	atccactgtt	ggggcctcga	cgagttcctg	tcctgggaaa	ggagtacacc	3480
		ccatttctga					3540

catctgactg agaatgggat	aannatanat	attoocoata	castastota	totaattoat	3600
3 3 3 3 3 3		~ ~ ~		<i></i>	
taaactcatg cacattggag	atcctg	gtttcttagg	aatactacta	gattgt	3660
gtctactgat tggctatcag	ttaggc	tggacctaaa	tagattgatt	ttctaa	3720
ccatccaatt ctgcatgtat	tcataattct	atcaagtcat	ctttgattcc	tggacctaat	3780
aaatttttt tccctttctt	tgggtgtcca	agagaaatgg	tttttgccaa	actctttta	3840
aaaaacaaat tgttgctatt	tcctagaagt	ttctggtttt	taagatgaac	ataaaagtgt	3900
cagtatgctt ccttttatga	ggtgtacttt	atactttgat	gaaggctaag	gtgtacctaa	3960
cagcttttta tagtatattc	atttatggag	ttagctgtat	tttttttaaa	aaaagaaaag	4020
tagtaaatta gcagcttttt	tttttttaa	atgaagagaa	cttcatgatg	atttaaaaga	4080
actaatgaga atattttgac	ttgacttcaa	ttactaagta	ttttgtataa	agaacaaata	4140
ggtcctgcat tttataagac	tttttaaagc	tttaattatt	caactaagaa	ccaataatgg	4200
cttcttcaag gctaatatca	atagtttata	agcagtatat	ttcaccta		4248

//

